

Exhibit A
Marked Up Version of Amended Claims

1. (Cancelled) An isolated nucleic acid molecule comprising at least 454 contiguous bases of a novel human kinase polynucleotide sequence described in SEQ ID NO: 1.

2. (Amended) An isolated nucleic acid molecule comprising a novel human kinase nucleotide sequence that:

- (a) encodes the amino acid sequence shown in SEQ ID NO: 2; and
- (b) hybridizes under highly stringent conditions to the nucleotide sequence of SEQ ID NO: 1 or the full complement thereof.

3. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 2.

4. (New) An isolated nucleic acid molecule comprising the nucleotide sequence of the novel human kinase described in SEQ ID NO: 1.